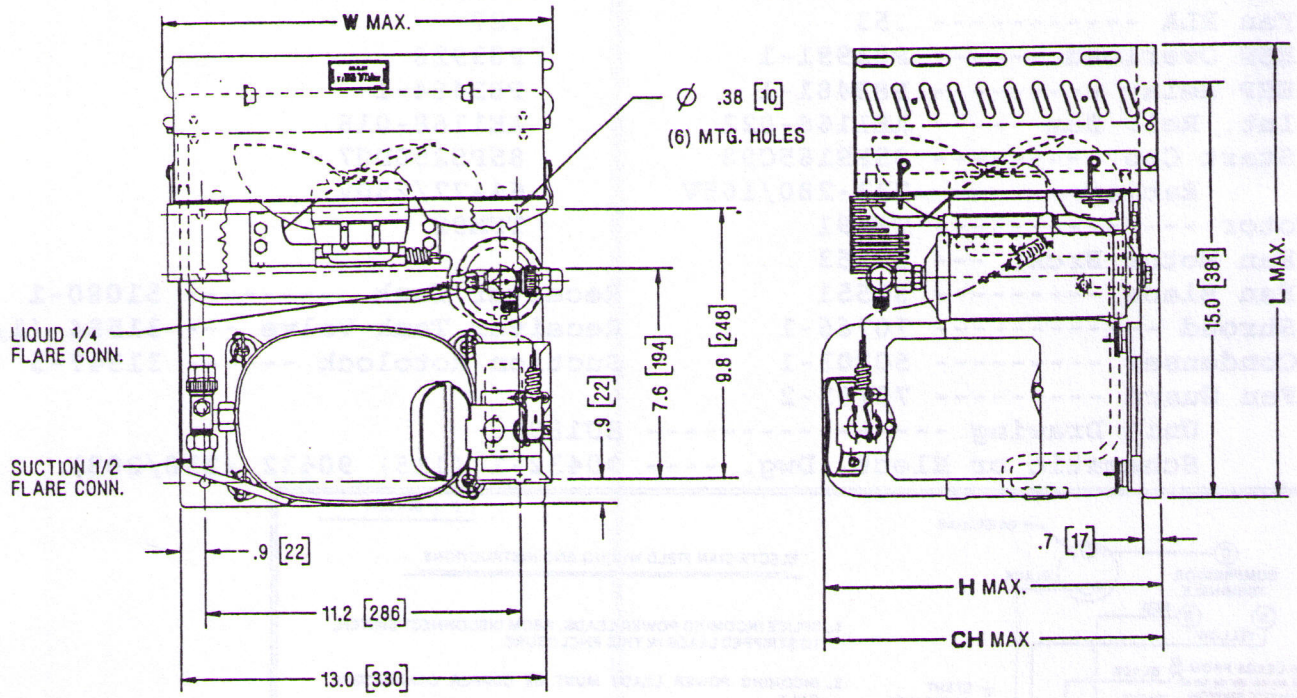
TECUMSEH HERMETIC CONDENSING UNITS

Date: April 1, 1997

MODEL AJA4461AX*XC (Formerly AJ4461AC) R-12 1/2 HP AIR COOLED



NOTE!
DIMENSIONING = INCHES [MILLIMETERS]

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AJA4461AX*XC	16.4	14.1	10.9	11.7	1/2 F	1/4 F	3.8#	350	22	78

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections C= Compression Fitting
Factory charge: 20 psig dry air - **MUST BE EVACUATED** **60 HZ Performance**

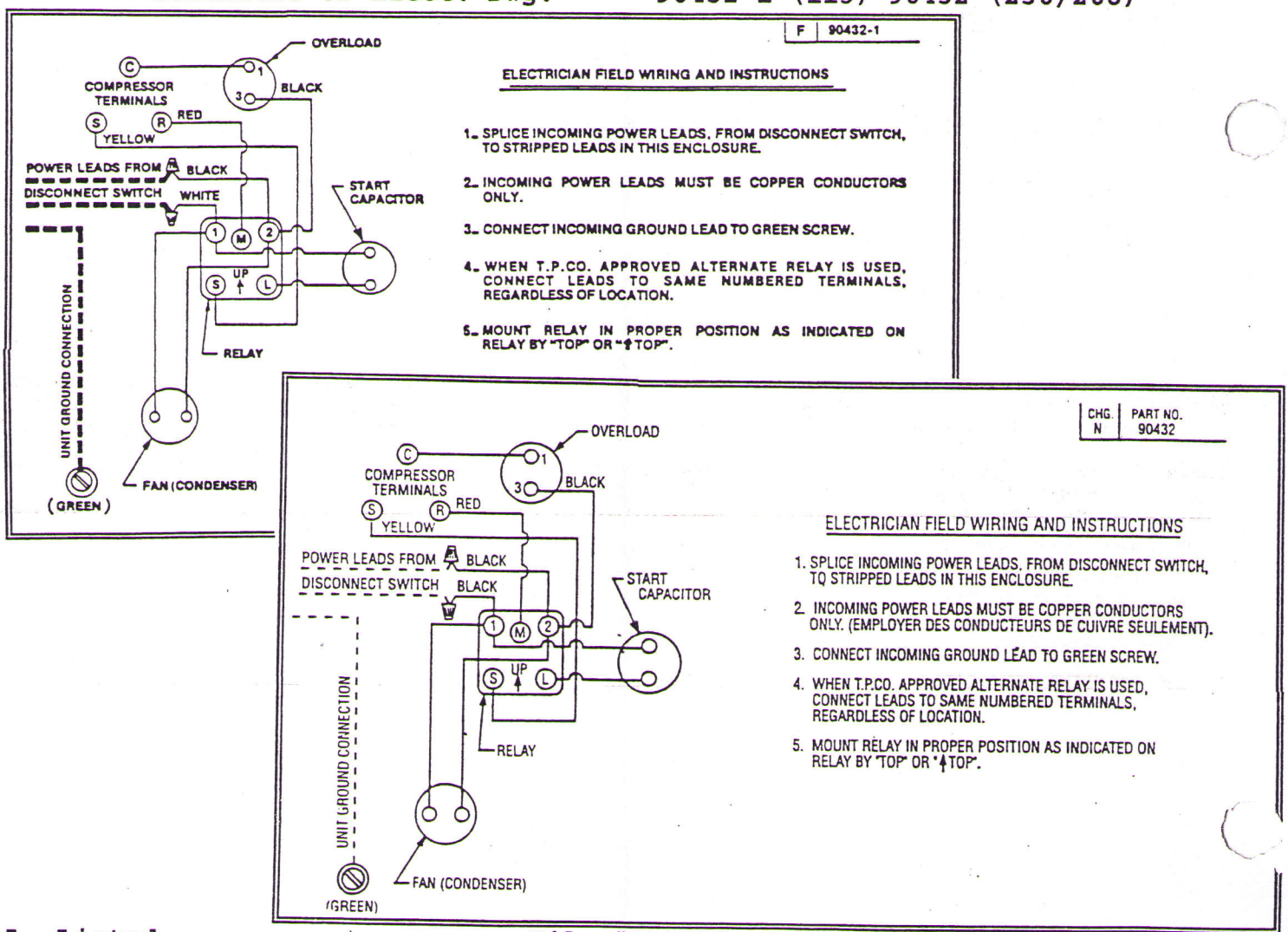
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
+20	21.0	3800	750	160	3500	770	180	3275	795	192
25	24.6	4175	790	168	3860	813	186	3600	845	201
30	28.5	4525	830	175	4200	860	195	3940	900	210
35	32.6	4900	875	182	4580	910	204	4300	952	220
40	37.0	5300	920	190	4950	960	212	4675	1008	230
45	41.7	5675	965	198	5325	1010	220	5050	1065	239

Date: 4-1-97

SPECIFICATIONS	AJA4461AXAXC	AJA4461AXDXC
Nominal Voltage	115-60-1	230/208-1
Unit B/M	2B216-9	2B223-9
Voltage Range	126.5 to 103.5	253 to 187
Min. Circuit Ampacity	11.9	5.9
Max. Fuse Size (Amps)	20	15
Compressor Model	AJA4461AXA	AJA4461AXA
Bill of Material	AJ311AT-141	AJ311FT-141
RLA/LRA	9.1/47.0	4.5/24.0
Fan RLA	.53	.27
ESP Overload	P83991-1	P83928
ESP Relay	P82481-1	P82484-1
Int. Rel. Box	AE1168-022	AE1168-016
Start Cap	85PS165C98	85PS250D07
Rating	233-280/165V	64-77/250V
Fan Motor	TFM91	TFM92
Fan Motor Brckt	57153	
Fan Blade	51551	
Shroud	70766-1	
Condenser	50803-1	
Fan Guard	70785-2	

Receiver Tank --------- 51080-1
Receiver Tank Valve --- 31584 (1/4"F)
Suction Rotolock ------ 31547-5 (1/2"F)

Unit Drawing ---------- SU1893
Schematic or Elect. Dwg. ---- 90432-1 (115) 90432 (230/208)


F | 90432-1
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
WHITE
START CAPACITOR
UP
RELAY
UNIT GROUND CONNECTION
FAN (CONDENSER)
(GREEN)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "TOP".
CHG. N | PART NO. 90432
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM
BLACK
DISCONNECT SWITCH
BLACK
START CAPACITOR
UP
RELAY
UNIT GROUND CONNECTION
FAN (CONDENSER)
(GREEN)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT).
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "TOP".

U.L. Listed ----------File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA File #8873C